

**WHAT IS CLAIMED:**

1. A power supply without a cooling fan, comprising a base, a circuit board, a plurality of aluminum-extrusion heat sink fins, a highly effective heat pipe, a plurality of aluminum-extrusion heat sinks, a panel board, an outer decking, and a  
5 back panel, so as to compose the power supply, which features in the aluminum-extrusion heat sink fins of the stand-up mode fixed above a cooling chip over the circuit board, the aluminum-extrusion heat sinks fringed near the power supply, and the high-effect heat pipe connecting the aluminum-extrusion heat sink fins and the aluminum-extrusion heat sinks.
- 10 2. The power supply without a cooling fan as claimed in claim 1, wherein the aluminum-extrusion heat sinks are fringed near the power supply, with a part of the heat sink fins exposed to the power supply.
3. The power supply without a cooling fan as claimed in claim 1, wherein the dispersed heat sink fins are installed above and aside the outer decking.

15